

Message

From: Rapicavoli, Emmanuelle [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=FF3604A98B624BB7A1A9A236EC176998-ERAPICAV]
Sent: 4/28/2017 9:56:34 PM
To: Brett Gleitsmann [bgleitsmann@rcac.org]; brad.rea@ihs.gov
CC: Yazzie, Lydell (IHS/PHX) [Lydell.Yazzie@ihs.gov]; Litofsky, Alexandra (IHS/PHX) [Alexandra.Litofsky@ihs.gov]; Carter, James (IHS/PHX) [James.Carter2@ihs.gov]; DeCoteau, Jesse (IHS/PHX) [Jesse.Decoteau@ihs.gov]
Subject: RE: Second Mesa Day School - Arsenic
Attachments: S63 D33 T38 E73 FR HAMP.pdf

Hi Brad,

I got that idea that IHS may have helped with SMDS after reading the final report (attached) for various HAMP related projects funded by both EPA and IHS. I realize that this pre-dates your involvement with the Hopi so I don't know who was there in the 2008-2009 timeframe. This excerpt from page 7 related to an amendment to project PH 06-D33 caught my eye:

In November 2008, Amendment #1 to the project summary and MOA were signed, which increased the scope of work and project funding by \$25,000. The scope was increased to provide for additional technical assistance by the IHS to the Second Mesa Day School, which was experiencing ongoing operational issues with its recently installed arsenic treatment facility. Additional funding was provided by the US EPA and the technical assistance was provided by the IHS. In May 2010, Amendment #2 to the project summary and MOA were signed, which amended the scope of work to allow for the purchase of GPS surveying equipment for surveying the HAMP alignment and for ongoing design activities associated with the HAMP.

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Please: All data submittals to our office should be sent by email to datamanager@epa.gov with a copy to me (or your project manager in the Drinking Water Office). Data reports are due no later than the 10th of the month following the month that you receive results, or the 10th of the month following the compliance period, whichever comes first. Please include the whole lab report and copy of the Chain of Custody. Label with PWS name and number; & source or distribution system location codes or names for data collection points.

From: Brett Gleitsmann [mailto:bgleitsmann@rcac.org]
Sent: Friday, April 28, 2017 2:29 PM
To: brad.rea@ihs.gov
Cc: Yazzie, Lydell (IHS/PHX) <Lydell.Yazzie@ihs.gov>; Litofsky, Alexandra (IHS/PHX) <Alexandra.Litofsky@ihs.gov>; Rapicavoli, Emmanuelle <Rapicavoli.Emmanuelle@epa.gov>; Carter, James (IHS/PHX) <James.Carter2@ihs.gov>
Subject: RE: Second Mesa Day School - Arsenic

Hi Brad,

Thanks for the reply. And yes, there is some semblance of a manual for certain parts of the system, but so far it's not been too much help. I'm trying to get in touch with Isolux who seemed to have helped them initially in adding CaCl₂ (which wasn't in the original install) and so we'll see what we can do.

Thanks,
Brett

Brett Gleitsmann
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From: Rea, Brad (IHS/PHX) [<mailto:Brad.Rea@ihs.gov>]
Sent: Friday, April 28, 2017 2:00 PM
To: Brett Gleitsmann <bgleitsmann@rcac.org>
Cc: Yazzie, Lydell (IHS/PHX) <Lydell.Yazzie@ihs.gov>; Litofsky, Alexandra (IHS/PHX) <Alexandra.Litofsky@ihs.gov>; Rapicavoli, Emmanuelle <Rapicavoli.Emmanuelle@epa.gov>; Carter, James (IHS/PHX) <James.Carter2@ihs.gov>
Subject: RE: Second Mesa Day School - Arsenic

Hello Bret,

As far as I am aware, and certainly within my 5-1/2 year tenure at the EADO in Lakeside AZ, the IHS has not been involved with the 2nd. Mesa Day School. I have been in that WTP on one occasion and I have a few photos of the equipment within, but that is the extent of my knowledge regarding that installation.

Is there an operations manual at the facility which may provide some guidance regarding the appropriate chemical dosages for pH adjustment, etc.?

Brad

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From: Brett Gleitsmann [<mailto:bgleitsmann@rcac.org>]
Sent: Friday, April 28, 2017 11:45 AM
To: Rea, Brad (IHS/PHX) <Brad.Rea@ihs.gov>
Cc: Yazzie, Lydell (IHS/PHX) <Lydell.Yazzie@ihs.gov>; Litofsky, Alexandra (IHS/PHX) <Alexandra.Litofsky@ihs.gov>
Subject: Second Mesa Day School - Arsenic

Hi Brad,

I was on a call today with Emmanuelle from EPA and she mentioned that IHS may have helped out with the original installation of the Isolux treatment system. The school has basically been in exceedance of the MCL for at least the past year and as I've been poking around there the past few weeks, it's pretty clear that the operator doesn't know how the system is supposed to work and the facilities manager is new as well, and so we're basically trying to figure it out from scratch.

The first thing we're trying to get them to do is to make sure to keep the CO₂ injection high enough to get the pH down to around 7.0 (raw water is about 9.5) while they're processing water. This was easy enough but we're not sure if it's helping with the arsenic removal.

The next thing that seems to have been important in the past was CaCl₂ injection before the filters to make the water less soft (it's very soft water) but we're not sure about the correct dosing for that.

Any ideas that you may have would be really appreciated. I'll be up at SMDS again early next week if you happen to be around or I'll be at the AZ Water annual conference in Phoenix later in the week too, just in case.

Best,
Brett

Brett Gleitsmann

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